



# Characteristics, Application and Materials

## Characteristics

O Rings are ring-shaped seals of circular cross-section.



## Application

O Rings are used with many moving and stationary machine parts as simple, economical sealing elements. Sealing is the result of axial or radial deformation of the cross-section of the mounted O Ring. The proper amount of deformation is controlled by appropriate dimensioning of the mounting space.

## Materials

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 90  $\pm$  5  
 black  
 - 30 $\pm$  C to + 110 $\pm$  C

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 80  $\pm$  5  
 black  
 - 30 $\pm$  C to + 110 $\pm$  C

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 70  $\pm$  5  
 black  
 - 30 $\pm$  C to + 110 $\pm$  C

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 60  $\pm$  5  
 black  
 - 30 $\pm$  C to + 110 $\pm$  C

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 75  $\pm$  5  
 red  
 - 55 $\pm$  C to + 200 $\pm$  C

**Basic Material:**  
**Shore Hardness A:**  
**Colour:**  
**Usable:**

**Nitrile-Butadiene Rubber (NI)**  
 75  $\pm$  5  
 black  
 - 20 $\pm$  C to + 200 $\pm$  C